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For The
BARITE HILL/NEVADA GOLDFIELDS NPL Site
(Operable Unit #1)
SCN000407714

1.0 PRE-REMEDIAL

1.8 Preliminary Assessment Documents

1. Pre-CERCLIS Screening Narrative. (November 18, 2003)
2. Pre-CERCLIS Screening Assessment Checklist/Decision Form. (December 3, 2003)
3. "Preliminary Assessment/Site Inspection, Barite Hill/Nevada Goldfields, McCormick County, South Carolina," South Carolina Department of Health and Environmental Control (SCDHEC). (December 15, 2006)

1.10 Expanded Site Inspection Documents

1. Letter from Shanna Davis and Andrew Johnson, Tetra Tech to William Joyner, USEPA. Subject: Final Expanded Site Inspection. (March 25, 2008)

2.0 REMOVAL RESPONSE

2.1 Correspondence

1. Letter from Timothy Kadar, SCDHEC to Leo Francendese, USEPA. Subject: Sampling to Assess the Impact of Acid Rock Damage on the Main Pit Water's pH. (July 5, 2007)

2.2 Sampling and Analysis Data

1. Memorandum from Jon McBurney, Lockheed Martin to Don Bussey, Lockheed Martin. Subject: Field Activities (March 26 - 30, 2007 and May 22, 2007) Trip Report. (June 22, 2007)

2.4 Work Plans and Progress Reports

1. "Work Plan, Barite Hill Gold Mine," Lockheed Martin. (March 16, 2007) [Redacted pursuant to FOIA Exemption 4].

2.8 Removal Response Reports

1. "Site Features Inventory Report, Barite Hill Mine, McCormick, South Carolina," US Department of Interior, Bureau of Reclamation. (July 1, 2007)
2. "Streamline Remedy Assessment, Barite Hill Pit, Barite Hill Mine, McCormick, South Carolina," US Department of Interior, Bureau of Reclamation. (September 14, 2007)
3. "Final Wetlands Delineation Report, Barite Hills Nevada Gold Fields, McCormick, McCormick County, South Carolina," Tetra Tech. (March 2008)

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3.0 REMEDIAL INVESTIGATION (RI)

3.1 Correspondence

1. Letter from Charles Williams and Greg Cassidy, SCDHEC to Candice Jackson, USEPA. Subject: Concurrence with the Ecological Risk Assessment, QAPP AND Field Sampling Plan. (February 14, 2011)
2. Memorandum from Brian Striggow, USEPA to File. Subject: Change of Sample and Station ID for SESD Project No. 11-0183. (July 15, 2011)
3. "Operation and Maintenance Report for Trip on April 8, 2013," Black and Veatch. (April 26, 2013) [Redacted pursuant to FOIA Exemption 5].
4. "Operation and Maintenance Report for Trip 05-23-2013," Black and Veatch. (May 23, 2013)
5. Letter from Candice Teichert, USEPA to John Jenkins, Black and Veatch. Subject: Re: Designation of Multiple Units (OUs). (June 14, 2013)
6. Memorandum from Candice Teichert, USEPA to File. Subject: Barite Hill Advanced Monitoring System. (July 29, 2013)

3.2 Sampling and Analysis Data

1. Letter from Shanna Davis and Andrew Johnson, Tetra Tech to Bill Joyner, USEPA. Subject: Final Site-Specific Sampling Plan. (June 8, 2007)
2. "Sampling and Analysis Plan, Volume 1: Quality Assurance Project Plan (QAPP), Revision 1, Barite Hill Goldfields, Remedial Investigation/Feasibility Study, McCormick County, South Carolina," Black and Veatch. (April 2011)
3. "Sampling and Analysis Plan, Volume 2: Field Sampling Plan (FSP), Revision 1, Barite Hill Goldfields, Remedial Investigation/Feasibility Study, McCormick County, South Carolina," Black and Veatch. (April 2011)
4. Memorandum from Brian Striggow, USEPA to Candice Jackson, USEPA. Subject: Release of 1st Quarter Groundwater Results. (April 22, 2011)
5. Memorandum from Brian Striggow, USEPA to Candice Jackson, USEPA. Subject: Well Elevations. (July 13, 2011)
6. Memorandum from Brian Striggow, USEPA to Candice Jackson, USEPA. Subject: Release of 2nd Quarter Groundwater Results. (August 17, 2011)
7. "Electrical Resistivity Imaging, Barite Hill Gold Mine, McCormick County, South Carolina," Geophysics, LLC. (September 22, 2011)
8. Memorandum from Brian Striggow, USEPA to Candice Jackson, USEPA. Subject: Release of RI Soil/Sediment/Surface Water Results. (January 26, 2012)

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9. Letter from Molly Donohue, Black and Veatch to Candice Teichert, USEPA. Subject: 2011 Data Summary Report. (February 6, 2012)
10. Letter from Jorgen Bergstrom, Geophysics LLC to Thomas Moyer, Black and Veatch. Subject: Results of Additional Electrical Resistivity Imaging Investigations. (March 9, 2012)
11. "Sampling and Analysis Plan - Addendum 1, Revision 0, Barite Hill Goldfields, Remedial Investigation and Feasibility Study, McCormick County, South Carolina," Black and Veatch. (July 2012)
12. Memorandum from Brian Striggow, USEPA to Candice Teichert, USEPA. Subject: 2011 Groundwater Sampling Final Report, Volume 1, Project No. 11-0183. (August 1, 2012)
13. Memorandum from Brian Striggow, USEPA to Candice Teichert, USEPA. Subject: 2011 Groundwater Sampling Final Report, Volume 2, Project No. 11-0183. (August 1, 2012)
14. Memorandum from Brian Striggow, USEPA to Candice Teichert, USEPA. Subject: 2011 Groundwater Sampling Final Report, Volume 3, Project No. 11-0183. (August 1, 2012)
15. Memorandum from Lonnie Dorn, USEPA to Candice Teichert, USEPA. Subject: Hawe Creek Watershed Bioassessment Final Report, Project No. 11-0616. (September 6, 2012)
16. Memorandum from Brian Striggow, USEPA to Candice Teichert, USEPA. Subject: 2012 4th Quarter Monitoring Well Sampling QAPP, Project No. 13-0088. (December 11, 2012)
17. Memorandum from Brian Striggow, USEPA to Candice Teichert, USEPA. Subject: 2012 4th Quarter Monitoring Well Sampling Elevation Survey QAPP. (January 10, 2013)
18. Memorandum from Derek Little, USEPA to Candice Teichert, USEPA. Subject: Storm Event Sampling Final Report, Project No. 13-0262. (August 12, 2013)
19. Letter from John Jenkins, Black and Veatch to Candice Teichert, USEPA. Subject: Sampling and Analysis Plan - Addendum 2. (January 27, 2014)
20. "Sampling and Analysis Plan - Addendum 4, Revision 0, Barite Hill/Nevada Goldfields Site, McCormick County, South Carolina," Black and Veatch. (February 2016)
21. Email from R4LIMS, USEPA to Addressees. Subject: R4 LIMS Results: Project 16-0316, C161601 TCLPM TMTL 04 26 16 1001. (10:32 am). (April 26, 2016)
22. Email from R4LIMS, USEPA to Addressees. Subject: Updated: R4 LIMS Results: Project 16-0316, C161601 TCLPM TMTL 05 04 16 1536. (4:07 pm). (May 4, 2016)

3. 4 Work Plans and Progress Reports

1. "Drilling and Installation Report of Vadose Zone Monitoring and Geophysical Instrumented Boreholes at Barite Hill Rock Repository, Nevada Gold Mine, NPL Site, McCormick County, South Carolina," Idaho National Laboratory. (October 1, 2009)

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2. "Quality Assurance Project Plan (QAPP), Barite Hill Goldfields, Remedial Investigation and Feasibility Study, McCormick County, South Carolina," Black and Veatch. (January 2011)
3. Memorandum from Brian Striggow, USEPA to Candice Teichert, USEPA. Subject: Baseline Monitoring Well Sampling QAPP. (February 2, 2011)
4. Memorandum from Brian Striggow, USEPA to Candice Jackson, USEPA. Subject: RI Soil/Sediment/Surface Water Sampling QAPP. (April 28, 2011)
5. QAPP Superfund Division Final Checklist. (April 29, 2011)
6. Memorandum from Brian Striggow, USEPA to Candice Jackson, USEPA. Subject: RI Well Elevations QAPP. (June 23, 2011)
7. EIB Site Safety Plan. (September 1, 2011)
8. Memorandum from Lonnie Dorn, USEPA to Candice Jackson, USEPA. Subject: Hawe Creek Watershed Bioassessment Quality Assurance Project Plan. (February 9, 2012)
9. Memorandum from Lonnie Dorn, USEPA to Candice Jackson, USEPA. Subject: Hawe Creek Watershed Bioassessment Quality Assurance Project Plan. (June 13, 2012)
10. Letter from Robert Sheets, Lockheed Martin to Candice Teichert, USEPA. Subject: Delivery of Interim Report. (June 15, 2012)
11. Letter from Holly Weyers, US Geological Survey (USGS) to Candice Teichert, USEPA. Subject: Quality Assurance Project Plan for Upcoming Borehole Geophysical Logging Work and Surface Geophysical Surveys. (August 27, 2012)
12. QAPP Superfund Division Final Checklist. (August 27, 2012)
13. "Treatability Study Work Plan for Tier 1 - Remedy Screening [Proof of Principal (POP) Testing], Barite Hill Mine/Nevada Goldfields Site, Operational Unit 1 (OU1), McCormick County, South Carolina," Sovereign. (October 25, 2017)
14. "Quality Assurance Project Plan (QAPPS) for Tier 1 - Remedy Screening [Proof of Principal (POP) Testing], Barite Hill Mine/Nevada Goldfields Site, Operational Unit 1 (OU1), McCormick County, South Carolina," Sovereign. (December 11, 2017)

3.8 Interim Deliverables

1. "Health and Safety Plan, Barite Hill Nevada Goldfields, McCormick, McCormick County, South Carolina," OTIE. (April 24, 2009)
2. Letter from Jim Eldridge, Black and Veatch to Candice Jackson, USEPA. Subject: Site-Specific Health and Safety Plan. (October 19, 2010)

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3.10 Remedial Investigation (RI) Reports

1. "Delineation of Areas Having Elevated Electrical Conductivity, Orientation and Characterization of Bedrock Fractures, and Occurrence of Groundwater Discharge to Surface Water at the U.S. EPA Barite Hill/Nevada Goldfields Superfund Site Near McCormick, South Carolina," USGS. (January 2015)
2. "Remedial Investigation Report, Revision 0, Barite Hill/Nevada Goldfields Site OU1, McCormick County, South Carolina," Black and Veatch. (April 2017) [Includes the Baseline Risk Assessment and the Human Health Risk Assessment].
3. Letter from Van Kofoed, Willowstick to Reginald Dawkins, Black and Veatch. Subject: Phase II (2017) Willowstick Geophysical Investigation Final Report. (January 9, 2018)

3.11 Health Assessments

1. "Public Health Assessment for Barite Hill/Nevada Goldfields Site, McCormick, McCormick County, South Carolina," Agency for Toxic Substances and Disease Registry (ATSDR). (July 15, 2011)

4.0 FEASIBILITY STUDY (FS)

4.1 Correspondence

1. Technical Memorandum from John Jenkins, Jim Eldridge and Tom Moyer, Black and Veatch to Candice Teichert, USEPA. Subject: Draft Screening of Technologies for Operable Unit 1 Feasibility Study. (August 22, 2017)

4.9 Feasibility Study (FS) Reports

1. "Feasibility Study, Revision 1, Barite Hill/Nevada Goldfields Site Operable Unit 1, McCormick County, South Carolina," Black and Veatch. (April 2019) [Redacted pursuant to FOIA Exemption 4].

4.10 Proposed Plans for Selected Remedial Action

1. "Superfund Proposed Plan for Interim Record of Decision, Barite Hill Superfund Site, Operable Unit 1 (OU1), McCormick, McCormick County, South Carolina," USEPA. (February 2020)

5.0 RECORD OF DECISION (ROD)

5.9 Record of Decision (ROD)

1. "Interim Record of Decision for Operable Unit 1 at the Barite Hill / Nevada Goldfields Superfund Site, McCormick, South Carolina," USEPA. (September 30, 2020) [Includes the Responsiveness Summary, the Public Meeting Transcript and the State Concurrence] [Redacted pursuant to FOIA Exemption 6].

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13.0 COMMUNITY RELATIONS

13.6 Community Involvement Plans

1. "Community Involvement Plan, Barite Hill/Nevada Goldfields Superfund Site, McCormick, South Carolina," USEPA. (July 10, 2018)

13.9 Fact Sheets

1. "Fact Sheet No. 1, Barite Hill/Nevada Goldfields, McCormick, SC," USEPA. (April 2007)
2. Fact Sheet - ATSDR's Public Health Assessment for the Barite Hill/Nevada Goldfields Superfund Site. (July 2011)
3. "Fact Sheet No. 2, Barite Hill/Nevada Goldfields, McCormick, SC," USEPA. (September 2011)
4. "Fact Sheet No. 4, Barite Hill/Nevada Goldfields, McCormick, SC," USEPA. (September 2012)
5. "Proposed Plan Fact Sheet, Barite Hill/Nevada Goldfields Superfund Site, McCormick, South Carolina," USEPA. (February 2020)

17.0 SITE MANAGEMENT RECORDS

17.4 Site Audio-Visuals

1. "Aerial Photographic Analyses of Barite Hill/Nevada Goldfields Site, McCormick, South Carolina," USEPA. (July 2012)